

## Diagnostics report

Device model:	WDC WD3200JD-00KLB0	Unit IP:	10.0.0.121
Device serial:	WD-WCAMR1030181	Unit serial:	6442319
Device firmware:	08.05J08	Write protection:	On
Device size:	320 GB (320,072,933,376 bytes)	Computer:	OLYA
Case number:	Not assigned	User:	Atola
Case description:		OS:	64-bit Windows 10 Enterprise Version 6.2 (Build: 19042)

### Diagnostics results

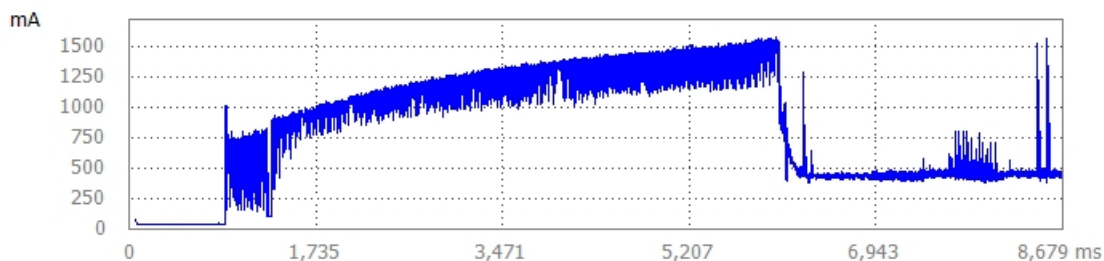
**According to the media access timing verification test, the head stack is malfunctioning. SMART reports that there are defects on the media.**

### Full Diagnostic Log

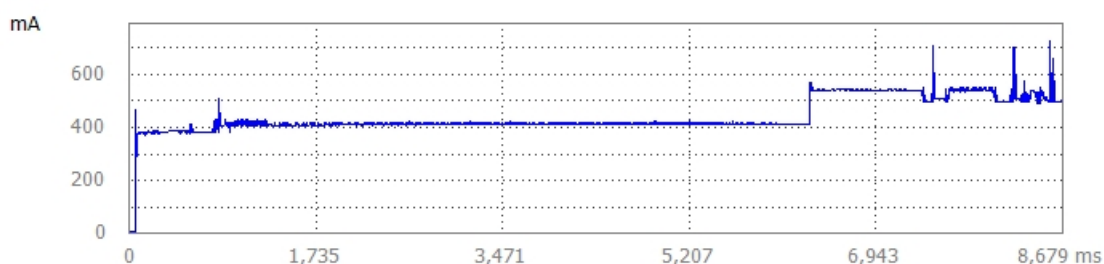
#### Circuit Board (PCB)

Device is powered on. A power cycle is needed...  
Applying power and watching spin-up currents...  
Selected Interface: SATA

#### Current oscillogram (12V):



#### Current oscillogram (5V):



Device has become ready in 9 sec.

Registers: 0101 0000 0000 0000 0000 A0A0 5050 Alt: 5050

Peak power consumption during spin-up: 5V line = 710.26 mA; 12V line = 1547.61 mA

Integrity word of device identification data is ok.

Device has been identified: WDC WD3200JD-00KLB0 SN: WD-WCAMR1030181

Logical sector size: 512 bytes, Physical sector size: 512 bytes

Elapsed: 22 sec.

**Circuit board check passed**

#### Heads

Detecting device family

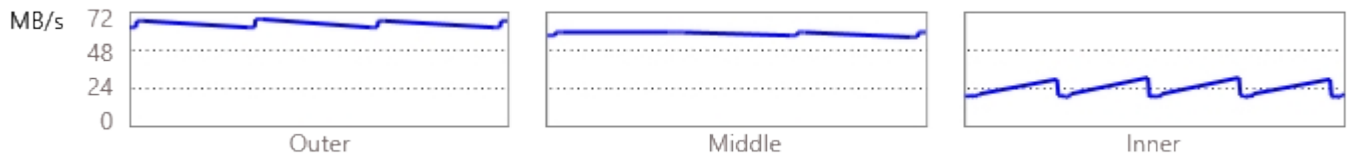
All device identification checks have passed.

Detected 6 heads: 0 1 2 3 4 5

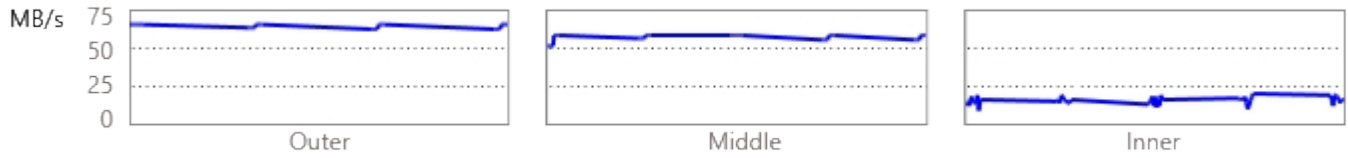
Performing media access timing verification separately for each head.

Using the following LBA ranges for this test: Outer: 0 - 900,000, Middle: 312,121,223 - 313,021,223, Inner: 624,242,447 - 625,142,447.

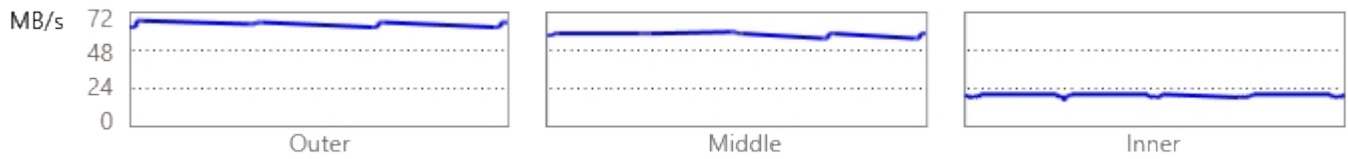
**Head #0 speed graph:**



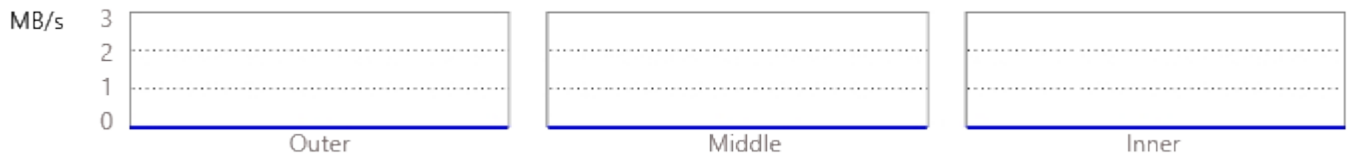
**Head #1 speed graph:**



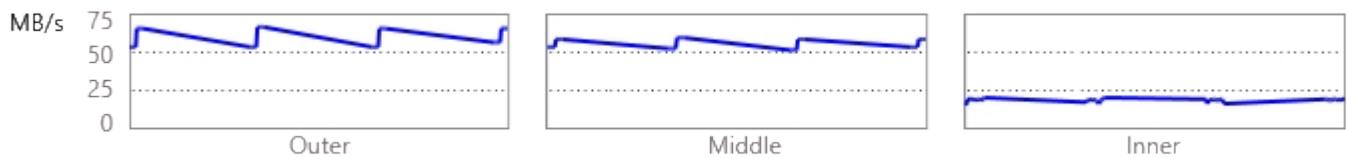
**Head #2 speed graph:**



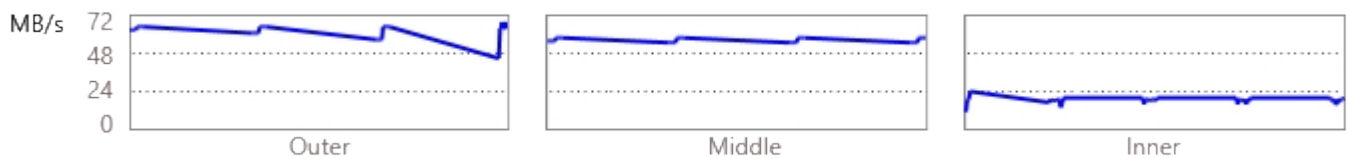
**Head #3 speed graph:**



**Head #4 speed graph:**



**Head #5 speed graph:**



Head #	Speed	Sectors processed	Freeze count	Read Errors	Head status
0	37 MB/s	402,343	0	0	OK
1	32 MB/s	435,829	0	0	OK
2	37 MB/s	436,903	0	0	OK
3	0 B/s	78	0	78	Damaged
4	36 MB/s	380,231	0	0	OK
5	36 MB/s	366,277	0	0	OK

Elapsed: 221.9 sec.

**According to the media access timing verification test, the head stack is malfunctioning.**

**Media Surface**

Media surface test skipped because the head stack is malfunctioning.

**Firmware**

Device is not locked.  
Device identification data is valid.

Max Address according to device ID: 625,142,447

Native Max Address Ext: 625,142,447

Max Address from DCO: 625,142,447

Reported capacity appears logically correct.

Performing SMART checks...

**SMART reports that there are defects on the media.**

Power cycles: 590 Power on time: 565 days 6 hours SMART Status: Good

#	Attribute Name	Value	Worst	Threshold	RAW
1	Read error rate	199	199	51	12,483
3	Spin up time	189	173	21	5,533
4	Number of spin-up times	100	100	0	601
5	Reallocated sectors count	183	183	140	131
7	Seek error rate	200	200	51	0
9	Power-on time	82	82	0	13,566
10	Spin-up retries	100	100	51	0
11	Calibration retries	100	100	51	0
12	Power Cycles	100	100	0	590
194	HDA Temperature	131	103	0	19
196	Reallocate event count	111	111	0	89
197	Current pending sectors	171	169	0	1,544
198	Offline scan UNC sectors	200	200	0	0
199	Ultra ATA CRC Error Rate	200	200	0	8
200	Write error rate at preamp	200	200	51	0

**Temperature and power cycle history**

SMART Temperature command isn't supported on this device.

**File System Structures**

File system test cannot be started.